

Notice of Allowability

Application No.

09/982,994

Examiner

Robert B. Davis

Applicant(s)

VARDIN ET AL.

Art Unit

1722

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 1-13.
3. ☒ The drawings filed on 22 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 3 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No. <u>6/3/02 &</u> | 7 <input type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

Robert B. Davis
Primary Examiner
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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

None of the prior art of record teach or suggest an apparatus an apparatus for transferring parisons from an injection molding machine to a blow molding machine comprising: an indexing table for moving a plurality of parison receiving pallets through a plurality of stations, including a receiving station and a blow molding station, means for providing at least two groups of parisons during each injection cycle of the injection molding machine, means for indexing the table to move the pallets from station to station, means for transferring a first group of parisons to a pallet during a last portion of a said interval and for transferring a second group of parisons to a pallet during a first portion of the a subsequent interval and said blowing station blowing a first group of parisons into blown articles during a last portion of a said interval and blowing a second group of parisons into blown articles during a first portion of a subsequent said interval. The closest prior art (Koga 5,424,022) discloses a rotary table moving between an injection molding station and a blow molding station wherein the machine contains less neck support plates (20) than stations around the table and wherein the support plates are moved asynchronously between stations such that the neck support plate stays at the injection molding station longer than any of the remainder of the stations due to the longer processing time required by the injection step. The prior art also fails to disclose or suggest asynchronously rotating parisons between different process stations such that different sets of injection molded parisons that are simultaneously injection molded are blow molded with a minimal period between the different sets. However, the

reference fails to disclose or suggest means for introducing two sets of parisons from the same injection cycle to a rotary table or the transfer blowing of the subsequent groups at the end and beginning of subsequent cycles. Kresak et al (6,368,099) disclose a device which transfers two sets of parisons from one cycle to a rotary table, but the reference teaches differential heat transfer to overcome the different processing times of the sets of parisons. Spurr et al disclose an apparatus for blow molding injection molded parisons such that the blow mold molds a number of groups of simultaneously injection molded parisons, but the reference teaches that the differential transfer times are kept within a tolerated amount of time and does not suggest asynchronous rotation or processing at the end and beginning of a subsequent step. Takada et al (5,468,443) disclose two sets of injection molds that have staggered molding times that feed a common blow mold.

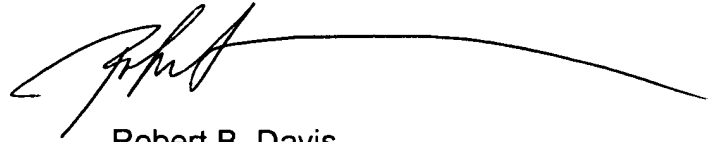
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert B. Davis whose telephone number is 571-272-1129. The examiner can normally be reached on Monday-Friday 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda L. Walker can be reached on 571-272-1151. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

A handwritten signature in black ink, appearing to read 'R. B. Davis', with a long horizontal flourish extending to the right.

Robert B. Davis
Primary Examiner
Art Unit 1722

12/13/07